

**MATERIAL SAFETY DATA SHEET**

Product Name: GOLD CHLORIDE

CAS No.: 16903-35-8 Version: 0

**1. Identification**

**Product Code** : 93102  
**Company Name** : Advent Chembio Private Limited  
**Address** : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.  
**E-mail** : [info@adventchembio.com](mailto:info@adventchembio.com)  
**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)  
**Company Phone Number** : 022-27690837

**2. Hazards Identification****Hazard classification**

Skin Corrosion/Irritation : Category 1 B

Skin sensitisation : Category 1

**Labels elements**

Hazard symbol

**Signal word** : Danger**Hazard statement** : May cause an allergic skin reaction.  
Causes skin irritation**Precautionary statement** : Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.**Supplemental Hazard Statements** : None**3. Composition/information on ingredients****Ingredient** : GOLD CHLORIDE**CAS No.** : 16903-35-8**Percent** : NLT 49.0%**Formula** : HAuCl<sub>4</sub>.XH<sub>2</sub>O**Molecular Weight** : 303.84 g/mol

**MATERIAL SAFETY DATA SHEET****Product Name:** GOLD CHLORIDE**CAS No.:** 16903-35-8 **Version:** 0**4. First Aid Measures****Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : Call a poison center or doctor if you feel unwell. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Skin contact** : If skin irritation occurs get medical advice/attention. Remove and wash contaminated clothing before reuse.  
In case of contact with substance, immediately flush skin with running water for at least 20 minutes.  
Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Eye contact** : IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Swallowed** : Do not induce vomiting with out medical advice. If swallowed, seek medical advice immediately and show the container or label. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Most important symptoms and effects, both acute and delayed** : Redness

**MATERIAL SAFETY DATA SHEET****Product Name:** GOLD CHLORIDE**CAS No.:** 16903-35-8 **Version:** 0

**Indication of any immediate medical attention and special treatment needed Treatment** : If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**5. Fire fighting measures****Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** : Hydrogen chloride gas

**Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Environmental precautions** : Do not let product enter drains.

**Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Precautions for safe handling** : Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.

**Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure Controls / Personal Protection**

**Exposure limit** : No data available

**Appropriate engineering** : Handle in accordance with good industrial hygiene and safety

## MATERIAL SAFETY DATA SHEET

Product Name: GOLD CHLORIDE

CAS No.: 16903-35-8 Version: 0

**controls**

practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

Respiratory protection : Dust respirator  
Hand protection : Nitrile gloves  
Eye protection : Safety glasses  
Skin and Body Protection : Lab coat

**9. Physical and Chemical Properties**

Appearance : Light Orange to Very Dark Orange  
Odor : No data available  
pH : No data available  
Melting point/freezing point : 289 °C - dec.  
Initial boiling point and boiling range : No data available  
Flash Point : No data available  
Vapor pressure : No data available  
Vapor density : No data available  
Relative density : 7.57 g/mL at 25 °C  
Solubility in water : No data available  
Solubility (other) : No data available

**10. Stability and Reactivity**

Reactivity : No data available  
Chemical stability : Stable under recommended storage conditions.  
Possibility of hazardous reactions : No data available  
Conditions to avoid : No data available  
Incompatible materials : Reducing agents  
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas

**11. Toxicological Information****Information on toxicological effects**

Acute toxicity : No data available  
Skin corrosion/irritation : No data available  
Serious eye damage/eye irritation : No data available  
Respiratory or skin sensitization : No data available  
Germ cell mutagenicity : No data available

## MATERIAL SAFETY DATA SHEET

**Product Name:** GOLD CHLORIDE

**CAS No.:** 16903-35-8 **Version:** 0

### Carcinogenicity

IARC : No data available

NTP : No data available

OSHA : No data available

**Reproductive toxicity** : No data available

**Route of Exposure** : No data available

**Signs and Symptoms of Exposure** : No data available

### 12. Ecological Information

**Toxicity** : No data available

**Persistence and degradability** : No data available

**Bioaccumulative potential** : No data available

**Mobility in soil** : No data available.

**Other adverse effects** : No data available.

### 13. Disposal consideration

**Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging** : Dispose of as unused product.

### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3260	Gold monochloride	8	II	No
<b>IMDG</b>	3260	Gold monochloride	8	II	No
<b>IATA</b>	3260	Gold monochloride	8	II	No

### 15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**MATERIAL SAFETY DATA SHEET****Product Name:** GOLD CHLORIDE**CAS No.:** 16903-35-8 **Version:** 0

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :**08/03/2017**Version : 0**

**Disclaimer:** This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).